

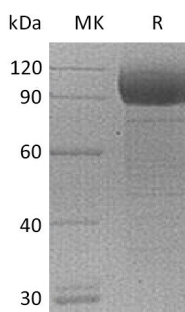
**Product Name: Recombinant Mouse ST2 (V192A, C-Fc)**  
**Catalog #: PHM0982**



## Summary

<b>Name</b>	sST2/IL-33 R/Interleukin-1 Receptor-Like 1/IL-1RL1/IL-1 R4/DER4 (V192A)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Mouse Interleukin-1 receptor-like 1 is produced by our Mammalian expression system and the target gene encoding Ser27-Ala337 (Val192Ala) is expressed with a human IgG1 Fc tag at the C-terminus.
<b>Accession #</b>	P14719-2
<b>Host</b>	Human Cells
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	62.7 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

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**Alternative Names**

Interleukin-1 receptor-like 1; Lymphocyte antigen 84; Protein ST2; Protein T1; IL1rl1; DER4; Fit-1; IL-1 R4; IL-1RL1; IL-33R; Ly84; ST2L; ST2V; suppression of tumorigenicity 2

**Background**

ST2, also called IL-1 R4, is an Interleukin-1 receptor family glycoprotein that plays a role in Th2 immune responses. ST2 is expressed on the surface of mast cells, activated Th2 cells, macrophages, and cardiac myocytes. This receptor is very similar to the IL-1 receptor type I and the IL-18 receptor  $\alpha$  chain in that ST2 also has three extracellular Ig domains and an intracellular Toll domain. ST2 binds IL-33, enhances inflammatory cytokines by activating nuclear factor- $\kappa$ B (NF- $\kappa$ B) and mitogen activated protein (MAP) kinases. ST2 exists as either a membrane bound form (ST2L) or as a soluble form (sST2). ST2L acts as a transmembrane signalling receptor for IL-33 by mediating the effect of IL-33 on the inflammatory process, while sST2 can suppress IL-33 activity.

**Note**

For Research Use Only , Not for Diagnostic Use.